## IN THE CLAIMS

Please delete Claims 2, 3, 8 and 9.

is stored in the calibration storage field.

Please amend the following Claims as follows:

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- 1. A disk for a hard disk drive having a head including a read element and a write element, the read element and the write element having a position offset, comprising:
- a disk having a plurality of tracks, each track having a centerline, one of said tracks having a servo field and a calibration field with a calibration field centerline that is offset from the track centerline, said calibration field includes a single calibration burst providing a burst profile with a peak value, that is used to generate a position offset signal, said calibration burst being written by said head, a second one of said tracks having a servo field and a calibration storage field with a calibration storage field centerline that is centered along the track centerline, wherein information representing the position offset

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(Once Amended) The disk as recited in claim [3] 1, wherein said position offset signal has a position offset signal amplitude that is stored in said calibration storage field.

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1 (Once Amended) The disk as recited in claim [2] 1, wherein said track includes a data field, said calibration field being located in said data field.



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(Once Amended) The disk as recited in claim [2] 1, wherein said servo field of said one of said tracks and said servo field of said second one of said tracks each contains a set of servo bits including an A bit and a B bit that have a common boundary located at the track centerline.

(Once Amended) A hard disk drive, comprising: 1 2 a housing; 3 an actuator arm mounted to said housing; 4 a head that is mounted to said actuator arm, said head having a 5 write element and a read element, the read element and the write element 6 having a position offset; 7 a spin motor mounted to said housing; and 8 a disk attached to said spin motor, said disk having a plurality of 9 tracks that each have a centerline, one of said tracks having a servo field and a 10 calibration field with a calibration field centerline that is offset from the track 11 centerline, said calibration field includes a single calibration burst providing a 12 burst profile with a peak value, that is used to generate a position offset signal, 13 said calibration burst being written by said head, a second one of said tracks 14 having a servo field and a calibration storage field with a calibration storage field 15 center line that is centered along the track centerline, wherein information

representing the position offset is stored in the calibration storage field.

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wherein said position offset signal has a position offset signal am stored in said calibration storage field.  1		6
stored in said calibration storage field.  (Once Amended) The hard disk drive as recited in comparison wherein said track includes a data field, said calibration field being data field.  (Once Amended) The hard disk drive as recited in comparison wherein said servo field of said one of said tracks and said servo second one of said tracks each contains a set of servo bits including a bit that have a common boundary located at the track centerling.  (Once Amended) A method for calibrating and store representing the offset between a read element and a write element hard disk drive, comprising the steps of:  a) providing a disk having a plurality of tracks of centerline, a first one of said tracks having a servo field and a single burst providing a burst profile with a peak value, said calibration [with] a calibration burst centerline that is offset from the track comparison of said tracks having a servo field and a calibration structure.	1	10. (Once Amended) The hard disk drive as recited in claim [8] $\frac{7}{4}$
1 2 4 (Once Amended) The hard disk drive as recited in or wherein said track includes a data field, said calibration field beint data field.  1 2 (Once Amended) The hard disk drive as recited in or wherein said servo field of said one of said tracks and said servo second one of said tracks each contains a set of servo bits includir B bit that have a common boundary located at the track centerling the offset between a read element and a write element hard disk drive, comprising the steps of:  a) providing a disk having a plurality of tracks of centerline, a first one of said tracks having a servo field and a sing burst providing a burst profile with a peak value, said calibration [with] a calibration burst centerline that is offset from the track constraint one of said tracks having a servo field and a calibration steps of the second one of said tracks having a servo field and a calibration steps of the second one of said tracks having a servo field and a calibration steps of the second one of said tracks having a servo field and a calibration steps of the second one of said tracks having a servo field and a calibration steps of the second one of said tracks having a servo field and a calibration steps of the second one of said tracks having a servo field and a calibration steps of the second one of said tracks having a servo field and a calibration steps of the second one of said tracks having a servo field and a calibration steps of the second one of said tracks having a servo field and a calibration steps of the second one of said tracks having a servo field and a calibration steps of the second one of said tracks having a servo field and a calibration steps of the second one of said tracks having a servo field and a calibration steps of the second one of said tracks having a servo field and a calibration steps of the second one of said tracks having a servo field and a calibration steps of the second one of said tracks having a servo field and a calibration steps of the second one of said tracks having a ser	2	wherein said position offset signal has a position offset signal amplitude that is
wherein said track includes a data field, said calibration field bein data field.  (Once Amended) The hard disk drive as recited in comparison wherein said servo field of said one of said tracks and said servo second one of said tracks each contains a set of servo bits including B bit that have a common boundary located at the track centerling the offset between a read element and a write elemed hard disk drive, comprising the steps of:  a) providing a disk having a plurality of tracks of centerline, a first one of said tracks having a servo field and a sing burst providing a burst profile with a peak value, said calibration [with] a calibration burst centerline that is offset from the track constraints as second one of said tracks having a servo field and a calibration stracks.	3	stored in said calibration storage field.
wherein said track includes a data field, said calibration field bein data field.  (Once Amended) The hard disk drive as recited in comparison wherein said servo field of said one of said tracks and said servo second one of said tracks each contains a set of servo bits including B bit that have a common boundary located at the track centerling the offset between a read element and a write elemed hard disk drive, comprising the steps of:  a) providing a disk having a plurality of tracks of centerline, a first one of said tracks having a servo field and a sing burst providing a burst profile with a peak value, said calibration [with] a calibration burst centerline that is offset from the track constraints as second one of said tracks having a servo field and a calibration stracks.		
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wherein said track includes a data field, said calibration field bein data field.  (Once Amended) The hard disk drive as recited in comparison wherein said servo field of said one of said tracks and said servo second one of said tracks each contains a set of servo bits including B bit that have a common boundary located at the track centerling the offset between a read element and a write elemed hard disk drive, comprising the steps of:  a) providing a disk having a plurality of tracks of centerline, a first one of said tracks having a servo field and a sing burst providing a burst profile with a peak value, said calibration [with] a calibration burst centerline that is offset from the track constraints as second one of said tracks having a servo field and a calibration stracks.	1	$\mathcal{H}^{7}$ (Once Amended) The hard disk drive as recited in claim [8] $\mathcal{Z}^{5}$
wherein said servo field of said one of said tracks and said servo second one of said tracks each contains a set of servo bits includir B bit that have a common boundary located at the track centerlin  (Once Amended) A method for calibrating and sto representing the offset between a read element and a write eleme hard disk drive, comprising the steps of:  a) providing a disk having a plurality of tracks of centerline, a first one of said tracks having a servo field and a sin burst providing a burst profile with a peak value, said calibration [with] a calibration burst centerline that is offset from the track co	2	wherein said track includes a data field, said calibration field being located in said
wherein said servo field of said one of said tracks and said servo  second one of said tracks each contains a set of servo bits includir  B bit that have a common boundary located at the track centerlin  (Once Amended) A method for calibrating and store representing the offset between a read element and a write element hard disk drive, comprising the steps of:  a) providing a disk having a plurality of tracks of the centerline, a first one of said tracks having a servo field and a single burst providing a burst profile with a peak value, said calibration [with] a calibration burst centerline that is offset from the track constants of the content of the centerline that is offset from the track constants of the centerline that is offset from the track constants of the centerline that is offset from the track constants of the centerline that is offset from the track constants.	3	data field.
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second one of said tracks each contains a set of servo bits including  B bit that have a common boundary located at the track centerling  (Once Amended) A method for calibrating and storage representing the offset between a read element and a write element and disk drive, comprising the steps of:  a) providing a disk having a plurality of tracks of tracks of the centerline, a first one of said tracks having a servo field and a single burst providing a burst profile with a peak value, said calibration [with] a calibration burst centerline that is offset from the track constants of the centerline that is offset from the track constants are constants.	1	12. (Once Amended) The hard disk drive as recited in claim [8]
B bit that have a common boundary located at the track centerline  (Once Amended) A method for calibrating and storage representing the offset between a read element and a write element and disk drive, comprising the steps of:  a) providing a disk having a plurality of tracks of the centerline, a first one of said tracks having a servo field and a singular providing a burst profile with a peak value, said calibration [with] a calibration burst centerline that is offset from the track constants are second one of said tracks having a servo field and a calibration storage.	2	wherein said servo field of said one of said tracks and said servo field of said
1 13. (Once Amended) A method for calibrating and store representing the offset between a read element and a write element and disk drive, comprising the steps of:  4 a) providing a disk having a plurality of tracks of the centerline, a first one of said tracks having a servo field and a single burst providing a burst profile with a peak value, said calibration [with] a calibration burst centerline that is offset from the track constant of the second one of said tracks having a servo field and a calibration store.	3 9	second one of said tracks each contains a set of servo bits including an A bit and a
representing the offset between a read element and a write eleme  hard disk drive, comprising the steps of:  a) providing a disk having a plurality of tracks of centerline, a first one of said tracks having a servo field and a sing burst providing a burst profile with a peak value, said calibration  [with] a calibration burst centerline that is offset from the track centerline of said tracks having a servo field and a calibration steps.	4	B bit that have a common boundary located at the track centerline.
representing the offset between a read element and a write eleme  hard disk drive, comprising the steps of:  a) providing a disk having a plurality of tracks of centerline, a first one of said tracks having a servo field and a sing burst providing a burst profile with a peak value, said calibration  [with] a calibration burst centerline that is offset from the track centerline of said tracks having a servo field and a calibration steps.		
representing the offset between a read element and a write eleme  hard disk drive, comprising the steps of:  a) providing a disk having a plurality of tracks of centerline, a first one of said tracks having a servo field and a sing burst providing a burst profile with a peak value, said calibration  [with] a calibration burst centerline that is offset from the track centerline of said tracks having a servo field and a calibration steps.		
hard disk drive, comprising the steps of:  a) providing a disk having a plurality of tracks of centerline, a first one of said tracks having a servo field and a sing burst providing a burst profile with a peak value, said calibration [with] a calibration burst centerline that is offset from the track consecution of said tracks having a servo field and a calibration step.	1	(Once Amended) A method for calibrating and storing information
a) providing a disk having a plurality of tracks of centerline, a first one of said tracks having a servo field and a single burst providing a burst profile with a peak value, said calibration [with] a calibration burst centerline that is offset from the track consecution of said tracks having a servo field and a calibration stopped to the centerline that is offset from the track consecution of said tracks having a servo field and a calibration stopped to the centerline that is offset from the track consecution of said tracks having a servo field and a calibration stopped to the centerline that is offset from the track consecution of said tracks having a servo field and a calibration stopped to the centerline that is offset from the track consecution of said tracks having a servo field and a calibration stopped to the centerline that is offset from the track consecution of said tracks having a servo field and a calibration stopped to the centerline that is offset from the track consecution of said tracks having a servo field and a calibration stopped to the centerline that is offset from the track consecution of the centerline that is offset from the track consecution of the centerline that it is offset from the track consecution of the centerline that it is offset from the centerline that it is offset	2 1	representing the offset between a read element and a write element of a head in a
5 centerline, a first one of said tracks having a servo field and a sing 6 burst providing a burst profile with a peak value, said calibration 7 [with] a calibration burst centerline that is offset from the track centerline that is offset fro	3 1	hard disk drive, comprising the steps of:
burst providing a burst profile with a peak value, said calibration  [with] a calibration burst centerline that is offset from the track ce  second one of said tracks having a servo field and a calibration ste	4	a) providing a disk having a plurality of tracks each having a
<ul> <li>[with] a calibration burst centerline that is offset from the track centerline that is offset from the tra</li></ul>	5 (	centerline, a first one of said tracks having a servo field and a single calibration
8 second one of said tracks having a servo field and a calibration st	6 l	burst providing a burst profile with a peak value, said calibration burst having
	7 [	[with] a calibration burst centerline that is offset from the track centerline, a
· · · · · · · · · · · · · · · · · · ·	8 s	second one of said tracks having a servo field and a calibration storage field with
9 a calibration storage field centerline that is centered along the tra		a calibration storage field centerline that is centered along the track centerline;

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